



09844281.ST25.txt
SEQUENCE LISTING

<110> Mangold, Beverly L.
Aldrich, Jennifer L.
O'Brien, Thomas

<120> Anthrax Specific Antibodies

<130> 38602.0003

<140> 09/844,281

<141> 2001-04-30

<150> 60/200,505

<151> 2000-04-28

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 833

<212> PRT

<213> Bacillus anthracis

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Ser Ile Asn Tyr Leu Val Asp Lys Gly Ala Ile Thr Gly Lys Pro Asp
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Gly Thr Tyr Gly Pro Thr Glu Ser Ile Asp Arg Ala Ser Ala Ala Val
35 40 45

Ile Phe Thr Lys Ile Leu Asn Leu Pro Val Asp Glu Asn Ala Gln Pro
50 55 60

Ser Phe Lys Asp Ala Lys Asn Ile Trp Ser Ser Lys Tyr Ile Ala Ala
65 70 75 80

Val Glu Lys Ala Gly Val Val Lys Gly Asp Gly Lys Glu Asn Phe Tyr

Pro Glu Gly Lys Ile Asp Arg Ala Ser Phe Ala Ser Met Leu Val Ser
 100 105 110

Ala Tyr Asn Leu Lys Asp Lys Val Asn Gly Glu Leu Val Thr Thr Phe
 115 120 125

Glu Asp Leu Leu Asp His Trp Gly Glu Glu Lys Ala Asn Ile Leu Ile
 130 135 140

Asn Leu Gly Ile Ser Val Gly Thr Gly Gly Lys Trp Glu Pro Asn Lys
 145 150 155 160

Ser Val Ser Arg Ala Glu Ala Ala Gln Phe Ile Ala Leu Thr Asp Lys
 165 170 175

Lys Tyr Gly Lys Lys Asp Asn Ala Gln Ala Tyr Val Thr Asp Val Lys
 180 185 190

Val Ser Glu Pro Thr Lys Leu Thr Leu Thr Gly Thr Gly Leu Asp Lys
 195 200 205

Leu Ser Ala Asp Asp Val Thr Leu Glu Gly Asp Lys Ala Val Ala Ile
 210 215 220

Glu Ala Ser Thr Asp Gly Thr Ser Ala Val Val Thr Leu Gly Gly Lys
 225 230 235 240

Val Ala Pro Asn Lys Asp Leu Thr Val Lys Val Lys Asn Gln Ser Phe
 245 250 255

Val Thr Lys Phe Val Tyr Glu Val Lys Lys Leu Ala Val Glu Lys Leu
 260 265 270

Thr Phe Asp Asp Asp Arg Ala Gly Gln Ala Ile Ala Phe Lys Leu Asn

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285

Asp Glu Lys Gly Asn Ala Asp Val Glu Tyr Leu Asn Leu Ala Asn His
 290 295 300

Asp Val Lys Phe Val Ala Asn Asn Leu Asp Gly Ser Pro Ala Asn Ile
 305 310 315 320

Phe Glu Gly Gly Glu Ala Thr Ser Thr Thr Gly Lys Leu Ala Val Gly
 325 330 335

Ile Lys Gln Gly Asp Tyr Lys Val Glu Val Gln Val Thr Lys Arg Gly
 340 345 350

Gly Leu Thr Val Ser Asn Thr Gly Ile Ile Thr Val Lys Asn Leu Asp
 355 360 365

Thr Pro Ala Ser Ala Ile Lys Asn Val Val Phe Ala Leu Asp Ala Asp
 370 375 380

Asn Asp Gly Val Val Asn Tyr Gly Ser Lys Leu Ser Gly Lys Asp Phe
 385 390 395 400

Ala Leu Asn Ser Gln Asn Leu Val Val Gly Glu Lys Ala Ser Leu Asn
 405 410 415

Lys Leu Val Ala Thr Ile Ala Gly Glu Asp Lys Val Val Asp Pro Gly
 420 425 430

Ser Ile Ser Ile Lys Ser Ser Asn His Gly Ile Ile Ser Val Val Asn
 435 440 445

Asn Tyr Ile Thr Ala Glu Ala Ala Gly Glu Ala Thr Leu Thr Ile Lys
 450 455 460

Val Gly Asp Val Thr Lys Asp Val Lys Phe Lys Val Thr Thr Asp Ser

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Arg Lys Leu Val Ser Val Lys Ala Asn Pro Asp Lys Leu Gln Val Val
485 490 495

Gln Asn Lys Thr Leu Pro Val Thr Phe Val Thr Thr Asp Gln Tyr Gly
500 505 510

Asp Pro Phe Gly Ala Asn Thr Ala Ala Ile Lys Glu Val Leu Pro Lys
515 520 525

Thr Gly Val Val Ala Glu Gly Gly Leu Asp Val Val Thr Thr Asp Ser
530 535 540

Gly Ser Ile Gly Thr Lys Thr Ile Gly Val Thr Gly Asn Asp Val Gly
545 550 555 560

Glu Gly Thr Val His Phe Gln Asn Gly Asn Gly Ala Thr Leu Gly Ser
565 570 575

Leu Tyr Val Asn Val Thr Glu Gly Asn Val Ala Phe Lys Asn Phe Glu
580 585 590

Leu Val Ser Lys Val Gly Gln Tyr Gly Gln Ser Pro Asp Thr Lys Leu
595 600 605

Asp Leu Asn Val Ser Thr Thr Val Glu Tyr Gln Leu Ser Lys Tyr Thr
610 615 620

Ser Asp Arg Val Tyr Ser Asp Pro Glu Asn Leu Glu Gly Tyr Glu Val
625 630 635 640

Glu Ser Lys Asn Leu Ala Val Ala Asp Ala Lys Ile Val Gly Asn Lys
645 650 655

Val Val Val Thr Gly Lys Thr Pro Gly Lys Val Asp Ile His Leu Thr

660

665

670

Lys Asn Gly Ala Thr Ala Gly Lys Ala Thr Val Glu Ile Val Gln Glu
 675 680 685

Thr Ile Ala Ile Lys Ser Val Asn Phe Lys Pro Val Gln Thr Glu Asn
 690 695 700

Phe Val Glu Lys Lys Ile Asn Ile Gly Thr Val Leu Glu Leu Glu Lys
 705 710 715 720

Ser Asn Leu Asp Asp Ile Val Lys Gly Ile Asn Leu Thr Lys Glu Thr
 725 730 735

Gln His Lys Val Arg Val Val Lys Ser Gly Ala Glu Gln Gly Lys Leu
 740 745 750

Tyr Leu Asp Arg Asn Gly Asp Ala Val Phe Asn Ala Gly Asp Val Lys
 755 760 765

Leu Gly Asp Val Thr Val Ser Gln Thr Ser Asp Ser Ala Leu Pro Asn
 770 775 780

Phe Lys Ala Asp Leu Tyr Asp Thr Leu Thr Thr Lys Tyr Thr Asp Lys
 785 790 795 800

Gly Thr Leu Val Phe Lys Val Leu Lys Asp Lys Asp Val Ile Thr Ser
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Glu Ile Gly Ser Gln Ala Val His Val Asn Val Leu Asn Asn Pro Asn
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Leu

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